VIRGINIA
STANDARDS OF LEARNING ASSESSMENTS

Spring 2001 Released Test

GRADE 8
Computer/Technology

Property of the Virginia Department of Education

Computer/Technology

DIRECTIONS

Read each question and choose the best answer. Then mark the space in your answer booklet for the answer you have chosen.
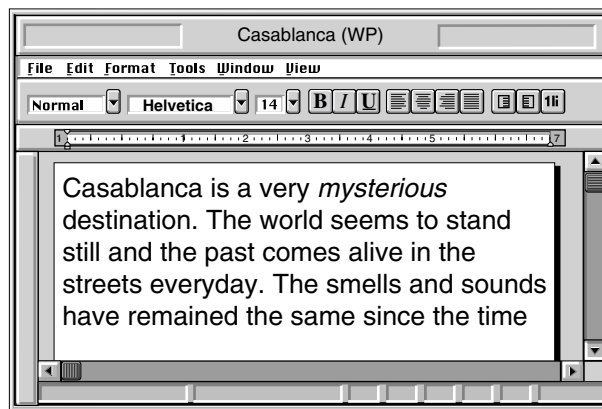

SAMPLE

Which word processing tool is used to find and correct spelling errors?

A Thesaurus

B Spell Check

C Word Count

D Style Gallery

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1 **In her science report, Kelsey needs to show the monthly rainfall for her county. The *best* way to do this is to insert a —**

A calendar of the previous year

B photograph of rainfall

C database of area counties

D chart showing rainfall amounts

2

Casablanca is a very *mysterious* destination. The world seems to stand still and the past comes alive in the streets everyday. The smells and sounds have remained the same since the time

Jenni can *best* indent the first sentence by —

F using the right alignment command

G pressing the Tab key

H resetting the page setup controls

J inserting a page break

3

	A	B	C	D	E	F
1		Drama Club Production				
2			Tickets			
3		Tickets	Given	Ticket		
4		Sold	Away	Count	Attenda	
5	Mon.	28	0	28	26	
6	Tues.	29	24	53	53	
7	Weds.	65	16	81	80	
8	Thurs.	58	8		64	
9	*Total*	180	48	228		
10						
11						

On the above spreadsheet, what is the correct formula to calculate Thursday's ticket count?

A =B8+C8

B =D5:D7

C =E8−B8

D =B8−C8

4

Emergency Information

File Edit Format Tools Window View

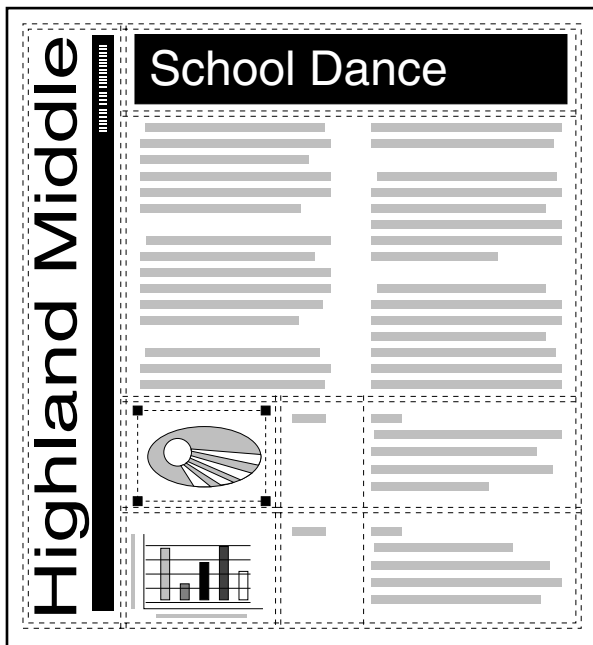| Last Name	First Name	Phone Number	Allergies	Doctor's Name
Michaels	Steven	555-6239	none	Johnson
Smith	Robert	555-0988	none	
Rameriz	Juan	555-3648	none	Masters
Robbins	Stephanie	555-3746	Bee Stings	Phillips
Smith	Anna	555-0988	none	
Kline	Madeline	555-6624	Chocolate	Phillips
Brady	Marcia	555-1123	Bee Stings	
Smith	Susan	555-0988	Peanuts	
Little	Lisa	555-2413	none	Johnson
Smith	David	555-0988	none	

Record: 10 of 10

In the above database, clicking the field "First Name" will —

F open a new student record

G sort the field alphabetically

H highlight the entire field

J link the field to the database

5 Which one of the following is a word processing application *most* useful for?

A Computing the perimeter of a rectangle

B Referring to a dictionary

C Writing and editing text

D Creating a data chart

6

Lisa wants to move the sun graphic to another place in the newsletter. How does she know that the graphic is selected and ready to move?

F A double border appears around the graphic.

G An X appears across the entire graphic.

H The graphic is shaded, indicating it is highlighted.

J Small squares appear in the corners.

7 Darnell wants to record experiment information and create a chart that shows the rate of crystal growth over a period of time. The *best* application to use would be —

A word processing

B spreadsheet

C database

D graphics

8 Jason is editing a document that he had previously saved. If he wants to save his edited document *without* losing the original document, which command should he use?

F New

G Save As

H Edit

J Save

9

If Jonas decides he wants to have a blank line after the title "Rainfall Record in Inches," what is the *best* thing for him to do?

A Insert a row

B Use the spacebar

C Increase the column width

D Re-format his spreadsheet

10 Inserting an existing graphic into a report on a computer is an example of using —
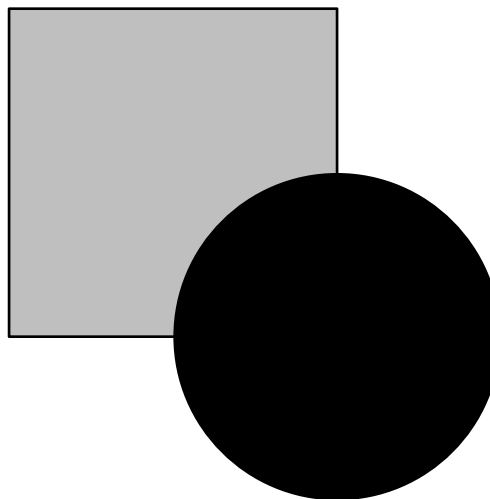
F icons

G fonts

H GUIs

J clip art

11

	Common Name	Leaf Type	Flower Type	Flower Color	Location Found
	Black-eyed Susan	Toothed	Rayed Petals	Yellow	In front of school
	Indian Blanket	Smooth	Rayed Petals	Yellow/Orange	Next to gym
	Evening Primrose	Narrow	Broad Petals	Pink	Past the football field
	Queen Anne's Lace	Narrow	Cluster	White	Drainage canal by parking lot
	Crimson Clover	Oval	Cylindrical	Red	Next to soccer field

Wildflower identification : Table

Record 5 of 5

The fields used in this database are mainly descriptions. It is *best* to format this type of field as —

A currency

B date

C text

D number

12

In a desktop publishing program, the above graphic illustrates the principle of —

F layering

G kerning

H spacing

J filtering

13 Cody is using a database of countries. In order to arrange the countries from those with the highest population to those with the lowest, he needs to sort on the population field in —

A ascending order

B descending order

C alphabetical order

D random order

14 After Mario imported some graphics into a poster he made, there wasn't enough space for the text he wanted to use. He can make it fit by —

F resizing the window

G using a different file name

H resizing the graphics

J using different colors

15 In order to perform a calculation in a spreadsheet, Anabelle needs to use a —

A table

B formula
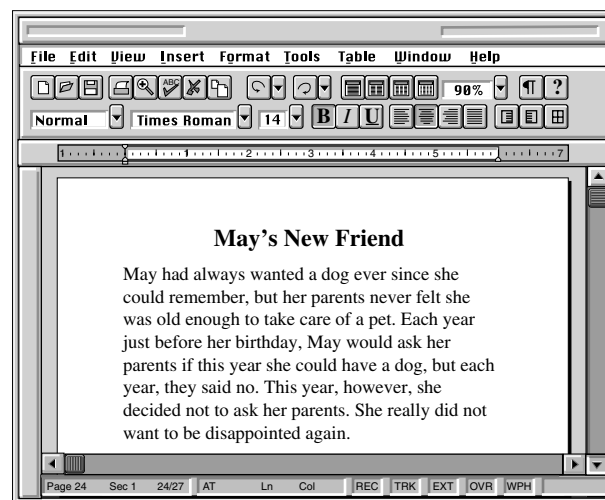
C field

D variable

16 Chante has been asked to change a word processing document to make it look more visually appealing. Chante will increase the type size and change the font to bold and italic. This is an example of —

F searching

G editing

H printing

J defining sections

17 Information, organized as records, that can be sorted or searched in various ways is called a —

A database

B graphic

C word processing document
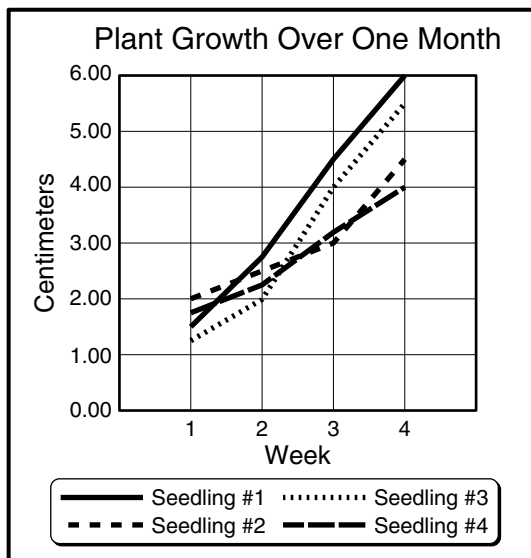
D spreadsheet

18

Allen has to move the first sentence so that it will be after the second sentence. He needs to —

F use the Find and Replace command

G highlight the first sentence, copy it, and paste it

H use the Insert command to paste it

J highlight the first sentence, cut it, and paste it

19

Plant Growth Over One Month

The box on the chart that contains the name of each individual seedling is called the —

A cell
B title
C axis
D legend

20

☑	Pet Name	Owner Name	Pet Type	Gender	Color	Last Visit
☑ 1	Sparky	Alberts	Dog	Male	Black	4/5/88
☑ 2	Daisy	Davis	Cat	Female	White	5/12/96
☑ 3	Fluffy	Williams	Cat	Female	White	12/15/96
☑ 4	Laddie	Harrison	Dog	Male	Red	8/24/97
☑ 5	Buffer	Brill	Dog	Male	Black	6/6/98
☑ 6	Spots	Lee	Dog	Female	White/E	11/16/94
☑ 7	Ted	Whitman	Cat	Male	Grey	9/2/97
☑ 8						
☑ 9						
☑10						

Animals

If Molly wants all of the white cats grouped together in the database, she would need to sort by —

F Color, then Gender
G Pet Type, then Color
H Pet Type, then Gender
J Color, then Pet Name

21 Pedro accidentally erased a sentence in his report. What command can he use to restore it immediately?

A Insert
B Copy
C Undo
D Replace

22

	A	B	C	D	E
	Student	Test 1	Test 2	Average	
1	Student	Test 1	Test 2	Average	
2	Alonzo, Jose	95	93	94.0	
3	Carranza, Albert	77	82	79.5	
4	Morgan, Amy	55	90	77.5	
5	Smith, Rolf	75	70	72.5	
6	Taggert, John	62	72	67.0	
7	McQueen, Susan	95	90		
8					

In this spreadsheet, the names are arranged in —

F an array

G a row

H a field

J a column

23 Susan has a graphic of a tree next to a house, but she only wants to use the tree. Which of the following commands in a graphics program will allow her to alter the picture the way she wants it?

A Copy

B Resize

C Crop

D Insert

24

Animal Name	Size	Behavior	Feeding	Habitat
Yellow throated Vireo	5.5"	Long pauses between phrases of song	Forages in treetops	Deciduous forest
Red-eyed Vireo	6"	Male sings faster	Forages in treetops	Forests
Northern Parula	5"	Hangs upside down	Eats insects	Forests, usually near water
Golden-crowned Kinglet	3.5"	Nervously flicks when hopping from limb to limb	Gleans food from tree bark	Mixed and deciduous forests
Carolina Wren	6"	Sings up to 40 versions of song	Forages on ground	Forest under-growth

Record: |◄ ◄ | | ► ►|

In the database, the description "Hangs upside down" is found in the field labeled —

F Northern Parula

G Feeding

H No. 3

J Behavior

25 A homepage is —

A an index of encyclopedia articles

B where all Internet data is stored

C required for access to the Internet

D the first page of a website

26 The following are examples of computer storage devices *except* —

F diskettes

G zip disks

H scanners

J hard drives

27 Todd was researching on the Internet. The *best* way for him to retrace where he has been is to —

A   select the Back button repeatedly

B   try to remember the Internet addresses

C   select the Home button

D   use the Search button

28 If a computer is turned off without saving a new document —

F   the computer will not be able to restart

G   the computer will reboot

H   the document will be lost

J   the default format will be changed

29 Leo found out that his favorite baseball team had a website on the Internet. What does he need to know in order to visit the team's site?

A   The city where the team is located

B   What time the team website is open

C   The Internet address of the website

D   The number of Internet pages of the team's website

30 Which is *most* important when entering a computer password?

F   It is typed exactly as it was originally entered.

G   It is checked for password viruses.

H   It is typed in italic bold type.

J   It is changed each time.

31

	Name	Continent	Length (miles)	Mouth
	Nile	Africa	4,130	Mediterranean
	Amazon	South America	4,090	Atlantic
	Mississippi	North America	3,700	Gulf of Mexico
	Yangtze	Asia	3,400	East China Sea

Rivers (DB)

Record: 20

In the above database, which fields would Bianca search to find the longest river in Asia?

A   Name and Asia

B   Name and Yangtze

C   Continent and Mouth

D   Continent and Length

32 Darrin is doing an electronic encyclopedia search and enters the topic: Soccer. He does a second search, and this time he enters: Soccer *or* players. The second search will probably produce —

F   a list of players only

G   fewer items

H   exactly the same list as the first search

J   more items

33 Sid is using a local area network to search his school library catalog for books on deep-sea exploration. Which category should he search?

A   Search by subject

B   Search by style

C   Search by author

D   Search by genre

GO ON

34 Amy created a database of the planets. She wants to find all the planets that have more than 2 moons. Which search criteria will give her the correct result?

F (Moons)

G (Moons greater than 2)

H (Moons less than 2)

J (Moons equal 2)

35 While researching new cars on the Internet, James decided to check in more than one search engine because —

A that will avoid false information

B that will avoid repetition of information

C each engine produces different results

D all Web users prefer this technique

36 Dianne is using the Internet to find university library resources. Which domain must be present in the website address (URL) of a university library?

F .org (organization)

G .gov (government)

H .edu (education)

J .com (commercial)

37 Jenna is writing a report on reefs and their effect on the Atlantic coastline ecosystem. Using an electronic encyclopedia, which keywords would give her the *best* results?

A Atlantic reefs

B Atlantic ecosystem

C coastline, effects on

D coastline, Atlantic

38 To determine if a sports website has current information, Abdullah should check —

F the website address

G how the site is organized

H when the site was last updated

J how many other sites are listed

39 Which of the following entries will bring the *best* results from an Internet search for monarch butterflies?

A "butterfly"

B butterfly or monarch

C monarch

D "monarch butterfly"

40

National Weather Database

To Search:

1. Temperature range: `0°C` to `60°C`

2. Years to search: `1900` to `1999`

3. Enter City, State: `[ | ]` `Browse`

4. Precipitation: `Snow  ↓`

`Record 1` `Zoom` `100%`

Clicking on the arrow next to Snow will —

F   return the user to the previous page

G   bookmark the site

H   display a drop-down list

J   automatically scroll to the end of the page

STOP

Answer Key

Test Sequence	Correct Answer	Reporting Category	Reporting Category Description
1	D	020	Understanding of Application Software
2	G	020	Understanding of Application Software
3	A	020	Understanding of Application Software
4	H	020	Understanding of Application Software
5	C	020	Understanding of Application Software
6	J	020	Understanding of Application Software
7	B	020	Understanding of Application Software
8	G	020	Understanding of Application Software
9	A	020	Understanding of Application Software
10	J	020	Understanding of Application Software
11	C	020	Understanding of Application Software
12	F	020	Understanding of Application Software
13	B	020	Understanding of Application Software
14	H	020	Understanding of Application Software
15	B	020	Understanding of Application Software
16	G	020	Understanding of Application Software
17	A	020	Understanding of Application Software
18	J	020	Understanding of Application Software
19	D	020	Understanding of Application Software
20	G	020	Understanding of Application Software
21	C	020	Understanding of Application Software
22	J	020	Understanding of Application Software
23	C	020	Understanding of Application Software
24	J	020	Understanding of Application Software
25	D	021	Understanding of Electronic Communications
26	H	021	Understanding of Electronic Communications
27	A	021	Understanding of Electronic Communications
28	H	021	Understanding of Electronic Communications
29	C	021	Understanding of Electronic Communications
30	F	021	Understanding of Electronic Communications
31	D	022	Ability to Access, Retrieve, and Analyze Information
32	J	022	Ability to Access, Retrieve, and Analyze Information
33	A	022	Ability to Access, Retrieve, and Analyze Information
34	G	022	Ability to Access, Retrieve, and Analyze Information
35	C	022	Ability to Access, Retrieve, and Analyze Information
36	H	022	Ability to Access, Retrieve, and Analyze Information
37	A	022	Ability to Access, Retrieve, and Analyze Information
38	H	022	Ability to Access, Retrieve, and Analyze Information
39	D	022	Ability to Access, Retrieve, and Analyze Information
40	H	022	Ability to Access, Retrieve, and Analyze Information